In the Claims:

Please cancel Claims 1 and 7, without prejudice; add new Claim 8; and amend Claims 2-6 as indicated below. The status of all pending claims is as follows:

1. (Cancelled)

2. (Currently Amended) The ~~floating slider~~ magneto-optical storage device according to Claim ~~1~~ 8, wherein the opposing face has an air entering end formed with a tapered flat surface having a length of 0.3 mm through 0.5 mm toward the chord and crossing the chord at an angle of 0.5 degrees through 1.0 degree.

3. (Currently Amended) The ~~floating slider~~ magneto-optical storage device according to Claim ~~1~~ 8, wherein the opposing face has an air entering end formed with a recessed step having a depth of 1 μm through 5 μm.

4. (Currently Amended) The ~~floating slider~~ magneto-optical storage device according to Claim ~~1~~ 8, wherein the floating slider is a monorail slider in which the entire crown surface is formed as a single surface.

5. (Currently Amended) The ~~floating slider~~ magneto-optical storage device according to Claim ~~1~~ 8, wherein the slider length is 2 mm through 6 mm, a slider

width defined as a distance of the opposing face radially of the storage medium is 1.2 mm through 5.0 mm, and the crown thickness d is 500 nm through 3000 nm.

6. (Currently Amended) The ~~floating slider~~ magneto-optical storage device according to Claim ~~1~~ 8, wherein the slider length is approximately 6 mm, the slider width defined as a distance of the opposing face radially of the storage medium is approximately 4 mm, and the crown thickness d is 1500 nm through 3000 nm.

7. (Cancelled)

8. (New) A magneto-optical storage device comprising a floating slider for facing a storage medium, a light condenser for forming a laser spot on a storage medium, and a magnetic field generator for generating a magnetic field at a region where the laser spot is formed,

wherein the floating slider includes an opposing face opposed to the storage medium, the opposing face having a crown surface like an outer columnar surface having an axis extending radially of the storage medium, the floating slider being floated off the storage medium by air flowing in between the storage medium and the opposing surface,

wherein the following requirement is satisfied where d represents a crown thickness defined as a distance from an vertex of an arc in a section of the crown surface to a

chord of the arc, and L represents a slider length defined as a length of the opposing face parallel to the chord,

$$250\ (\text{nm/mm})\ \text{xL}\ (\text{mm}) \leqq \text{d}\ (\text{nm}) \leqq \text{d}\ 250\ (\text{nm/mm})\ \text{xL}\ (\text{mm}) + 1500\ (\text{mm})$$

wherein the light condenser and the magnetic field generator are mounted on the floating slider,

wherein the light condenser includes a first object lens supported by a substrate via a micro-positioning controller, and a second object lens supported by a casing that covers the micro-positioning controller, and

wherein the micro-positioning controller includes a fixed piece fixed to the substrate, and a movable piece which holds the first object lens and is movable relative to the fixed piece together with the first object lens.